

S5 1 PN="US 5864714"  
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5/9/1  
DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat  
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13903163  
Basic Patent (No,Kind,Date): WO 9739409 A1 19971023 <No. of Patents: 008>

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9723057 A1 19971107  
COMMUNICATIONS SYSTEM UTILIZING NON-FIXED BUFFER SIZE (English)  
Patent Assignee: COMSYS COMMUNICATION & SIGNAL  
Author (Inventor): TAL NIR; COHEN RON; COLLIN ZEEV  
Priority (No,Kind,Date): WO 97IL123 W 19970413; US 632931 A  
19960416  
Applic (No,Kind,Date): AU 9723057 A 19970413  
IPC: \* G06F-013/00  
Derwent WPI Acc No: \* G 97-526672  
Language of Document: English

GERMANY (DE)

Patent (No,Kind,Date): DE 19781701 T 19990325  
DATENUEBERTRAGUNGSSYSTEM MIT NICHT FESTGELEGTER PUFFERGROESSE (German)  
Patent Assignee: COMSYS COMMUNICATION & SIGNAL (IL)  
Author (Inventor): TAL NIR (IL); COHEN RON (IL); COLLIN ZEEV (IL)  
Priority (No,Kind,Date): WO 97IL123 W 19970413; US 632931 A  
19960416  
Applic (No,Kind,Date): DE 19781701 A 19970413  
IPC: \* G06F-013/10; G06F-009/46; H04L-012/54  
Derwent WPI Acc No: \* G 97-526672  
Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):  
DE 19781701 P 19990325 DE RET PCT-APPLICATION TRANSLATED  
(PART 6B PATENT GAZETTE) (PCT-UEBERSETZUNG  
(ABSCHNITT 6B))  
WO 9739409 P 19990325  
DE 19781701 P 20000921 DE 8127 NEW PERSON/NAME/ADDRESS OF  
THE APPLICANT (AENDERUNG IN PERSON, NAMEN  
ODER WOHNORT DES ANMELDERS)  
CONEXANT SYSTEMS, INC., NEWPORT BEACH,  
CALIF., US

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 954793 A1 19991110  
COMMUNICATIONS SYSTEM UTILIZING NON-FIXED BUFFER SIZE (English; French;  
German)  
Patent Assignee: COMSYS COMMUNICATION & SIGNAL (IL)  
Author (Inventor): TAL NIR (IL); COHEN RON (IL); COLLIN ZEEV (IL)  
Priority (No,Kind,Date): WO 97IL123 W 19970413; US 632931 A  
19960416  
Applic (No,Kind,Date): EP 97915665 A 19970413  
Designated States: (National) DE; FR; GB  
IPC: \* G06F-013/00  
Derwent WPI Acc No: \* G 97-526672  
Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 954793 P 19960416 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

US 632931 A 19960416  
EP 954793 P 19970413 EP AA PCT-APPLICATION  
(PCT-ANMELDUNG)  
WO 97IL123 W 19970413  
EP 954793 P 19970413 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 97915665 A 19970413  
EP 954793 P 19991110 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB  
EP 954793 P 19991110 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)  
EP 954793 P 19991110 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
19981102  
EP 954793 P 20000126 EP RAP1 APPLICANT REASSIGNMENT  
(CORRECTION) (ANMELDER UEBERTRAGUNG (KORR.))

CONEXANT SYSTEMS, INC.

GREAT BRITAIN (GB)

Patent (No,Kind,Date): GB 9821561 A0 19981125

COMMUNICATIONS SYSTEM UTILIZING NON-FIXED BUFFER SIZE (English)

Patent Assignee: COMSYS COMMUNICATION AND SIGNAL

Priority (No,Kind,Date): WO 97IL123 W 19970413; US 632931 A  
19960416

Applic (No,Kind,Date): GB 9821561 A 19981002

Derwent WPI Acc No: \* G 97-526672

Language of Document: English

JAPAN (JP)

Patent (No,Kind,Date): JP 2000508852 T2 20000711

Priority (No,Kind,Date): WO 97IL123 W 19970413; US 632931 A  
19960416

Applic (No,Kind,Date): JP 97536916 A 19970413

IPC: \* H04L-029/10; G06F-013/00; H04L-013/08; H04M-011/00

Derwent WPI Acc No: \* G 97-526672

Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5864714 A 19990126

COMMUNICATION SYSTEM WHICH DYNAMICALLY SWITCHES SIZES OF SAMPLE BUFFER  
BETWEEN FIRST SIZE FOR QUICK RESPONSE TIME AND SECOND SIZE FOR  
ROBUSTNESS TO INTERRUPT LATENCY (English)

Patent Assignee: COMSYS COMMUNICATION & SIGNAL (IL)

Author (Inventor): TAL NIR (IL); COHEN RON (IL); COLLIN ZEEV (IL)

Priority (No,Kind,Date): US 632931 A 19960416

Applic (No,Kind,Date): US 632931 A 19960416

National Class: \* 395876000; 395872000; 395838000; 342057000;  
364705050

IPC: \* G06F-013/00

Derwent WPI Acc No: \* G 97-526672

Language of Document: English

Patent (No,Kind,Date): US 6108720 A 20000822

ECHO CANCELING MODEM WHICH DYNAMICALLY SWITCHES SIZES OF SAMPLE BUFFER  
BETWEEN FIRST SIZE FOR QUICK RESPONSE TIME AND SECOND SIZE FOR  
ROBUSTNESS TO INTERRUPT LATENCY (English)

Patent Assignee: CONEXANT SYSTEMS INC (US)

Author (Inventor): TAL NIR (IL); COHEN RON (IL); COLLIN ZEEV (IL)

Priority (No,Kind,Date): US 163054 A 19980929; US 632931 A3  
19960416

Applic (No,Kind,Date): US 163054 A 19980929

Addnl Info: 5864714 Patented

National Class: \* 710020000; 710015000; 710018000; 710052000;

710056000; 370282000; 370286000; 379406000; 379410000; 375222000

IPC: \* G06F-013/00; H04B-001/44; H04B-001/38; H04M-001/00; H04L-005/16

Derwent WPI Acc No: \* G 97-526672

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5864714 P 19960416 US AE APPLICATION DATA (PATENT)  
(APPL. DATA (PATENT))

US 632931 A 19960416

US 5864714 P 19960715 US AS02 ASSIGNMENT OF ASSIGNOR'S  
INTEREST  
COMSYS COMMUNICATION & SIGNAL PROCESSING LTD.  
15 MASKIT STREET HERZLIA, ISRAEL 4 ; TAL, NIR  
: 19960521; COHEN, RON : 19960521; COLLIN,  
ZEEV : 19960521

US 5864714 P 19990112 US AS02 ASSIGNMENT OF ASSIGNOR'S  
INTEREST  
CONEXANT SYSTEMS, INC. DEPARTMENT 876, MAIL  
CODE 510-900 4311 JAMBOREE ROAD NEWP ; COMSYS  
COMMUNICATION & SIGNAL PROCESSING LTD. :  
19981210

US 5864714 P 19990126 US A PATENT

US 5864714 P 20010313 US RF REISSUE APPLICATION FILED  
(REISSUE APPL. FILED)  
20010126

US 6108720 P 19960416 US AA PRIORITY  
US 632931 A3 19960416

US 6108720 P 19980929 US AE APPLICATION DATA (PATENT)  
(APPL. DATA (PATENT))  
US 163054 A 19980929

US 6108720 P 20000822 US A PATENT

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9739409 A1 19971023

COMMUNICATIONS SYSTEM UTILIZING NON-FIXED BUFFER SIZE (English)

Patent Assignee: COMSYS COMMUNICATION & SIGNAL (IL)

Author (Inventor): TAL NIR; COHEN RON; COLLIN ZEEV

Priority (No,Kind,Date): US 632931 A 19960416

Applic (No,Kind,Date): WO 97IL123 A 19970413

Designated States: (National) AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY;  
CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; HU; IL; IS; JP; KE;  
KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX;  
NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; TM; TR; TT; UA; UG;  
UZ; VN; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM (Regional) GH; KE; LS;  
MW; SD; SZ; UG; AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU;  
MC; NL; PT; SE; BF; BJ; CF; CG

Filing Details: WO 130000 With international search report; Before  
expiration of time limit for amending the claims and to be  
republished in the event of the receipt of the amendments

IPC: \* G06F-013/00

Derwent WPI Acc No: \* G 97-526672; G 97-526672  
Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No, Type, Date, Code, Text):

WO 9739409	P	19960416	WO AA	PRIORITY (PATENT)
			US 632931 A	19960416
WO 9739409	P	19970413	WO AE	APPLICATION DATA (APPL. DATA)
			WO 971123 A	19970413
WO 9739409	P	19971023	WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
			AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN AM AZ BY KG KZ MD RU TJ TM	
WO 9739409	P	19971023	WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
			GH KE LS MW SD SZ UG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG	
WO 9739409	P	19971023	WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)
WO 9739409	P	19980114	WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9739409	P	19980129	WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
WO 9739409	P	19990325	WO RET	DE TRANSLATION (DE OG PART 6B)
			DE 19781701 P	19990325
WO 9739409	P	19991016	WO NENP	NON-ENTRY INTO THE NATIONAL PHASE IN: CA

?us5864714/pn

Term not in index/PN-LITA : US5864714

LGST	1
CRXX	1
LITA	0
PAST	1

\*\* SS 5 : Results 3

Search statement 6

?prt ss5 max 1-3

1/3 LGST (1/1) - (C) LEGSTAT  
PN - US 5864714 [US5864714]  
AP - US 632931/96 19960416 [1996US-0632931]  
DT - US-P  
ACT - 19960416 US/AE-A  
APPLICATION DATA (PATENT)  
{US 632931/96 19960416 [1996US-0632931]}  
- 19960715 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
COMSYS COMMUNICATION & SIGNAL PROCESSING LTD. 15 MASKIT STREET  
HERZLIA, ISRAEL 4 \* TAL, NIR : 19960521; COHEN, RON : 19960521;  
COLLIN, ZEEV : 19960521  
- 19990112 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
CONEXANT SYSTEMS, INC. DEPARTMENT 876, MAIL CODE 510-900 4311 JAMBOREE  
ROAD NEWP \* COMSYS COMMUNICATION & SIGNAL PROCESSING LTD. : 19981210  
- 19990126 US/A  
PATENT  
- 20010313 US/RF  
REISSUE APPLICATION FILED  
20010126  
UP - 2001-12

2/3 CRXX (1/1) - (C) CLAIMS/RRX  
AN - 3103503  
PN - 5,864,714 A 19990126 [US5864714]  
PA - Comsys Communication and Signal Processing Ltd IL  
PT - E (Electrical)  
ACT - 20010126 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010313  
REISSUE REQUEST NUMBER: 09/771010  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2782

Reissue Patent Number:

UP - 2001-11  
UACT- 2001-03-13

3/3 PAST (1/1) - (C) PAST  
AN - 200111-001330  
PN - 5864714 A [US5864714]

DT - A (UTILITY)  
OG - 2001-03-13  
CO - REA  
ACT - REISSUE APPLICATION FILED  
SH - REISSUE APPLICATION FILED

5,864,714

<=2> GET 1st DRAWING SHEET OF 5

Jan. 26, 1999

Communication system which dynamically switches sizes of  
sample buffer between first size for quick response time and  
second size for robustness to interrupt latency

REISSUE: Reissue Application filed Jan. 26, 2001 (O.G. Mar. 13, 2001) Ex. Gp.:  
2782; Re. S.N. 09/771,010

CORE TERMS: buffer, sample, slice, modem, processing, interrupt, echo, latency,  
canceler, transmitted...

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: ALL**

5,864,714 OR 5864714

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For further explanation, press the H key (for HELP) and then the ENTER key.

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: CASES**



5,864,714 OR 5864714

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To enter a new search request, type it and press the ENTER key.

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For further explanation, press the H key (for HELP) and then the ENTER key.

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: JNLS**

5,864,714 OR 5864714

Your search request has found no STORIES.

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

**LEXIS-NEXIS**  
**Library: NEWS**  
**File: CURNWS**